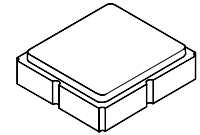


SF2618E

**902.5 MHz
SAW Filter**



SM3030-8

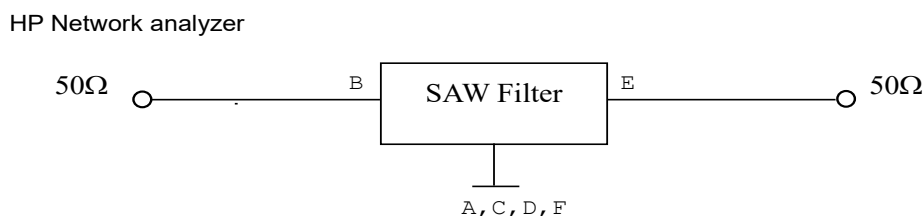
MAXIMUM RATING:

- Input Power Level: +20 dBm
- DC Voltage : 3V
- Operating Temperature: -25°C to +75°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: 1
- AEC-Q200 Qualified

ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	902.5	-	-
Insertion Loss (890~915 MHz) IL	dB	-	2.55	3.3	-
Amplitude Ripple (890~915 MHz)	dB	-	0.6	1.3	-
VSWR (890~915 MHz)		-	1.6	2.2	-
Attenuation (Reference level from 0 dB)					
DC ~ 845 MHz	dB	45	54	-	-
935 ~ 980 MHz	dB	10	28	-	-
980 ~ 1200 MHz	dB	50	55	-	-
1200 ~ 3000 MHz	dB	25	30	-	-

MEASUREMENT CIRCUIT:

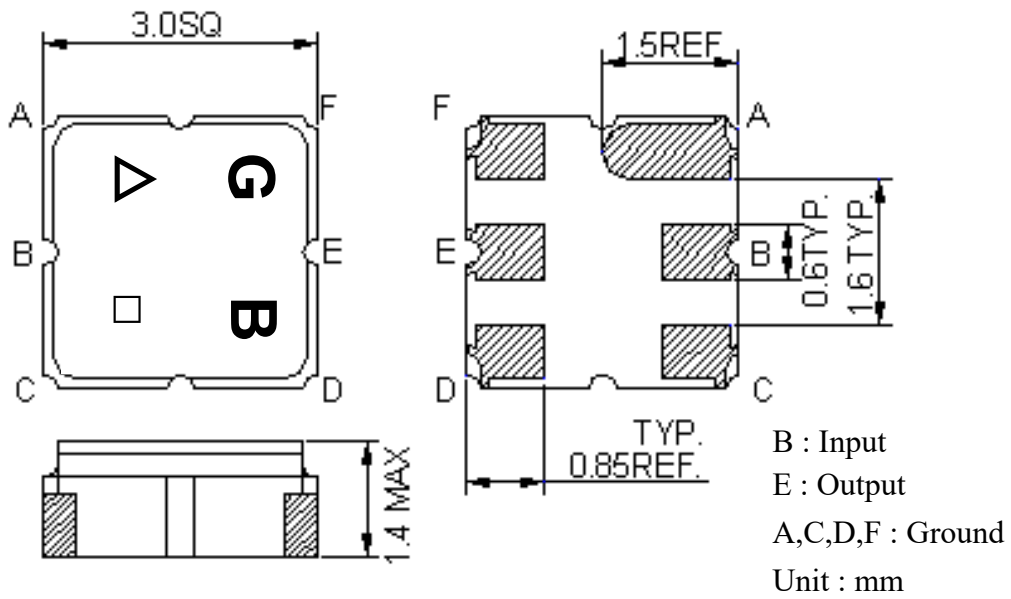


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

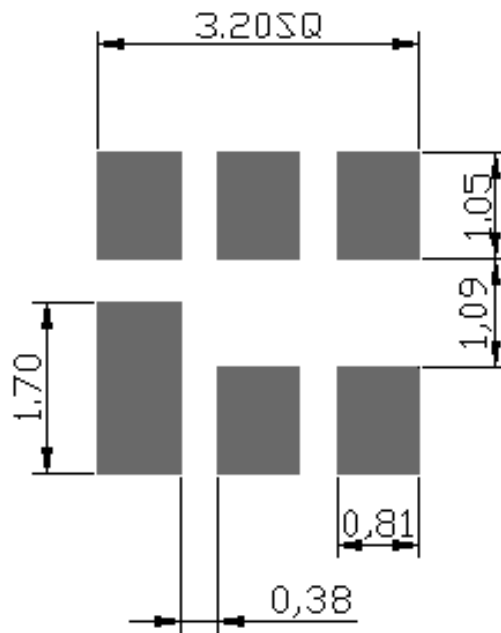
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

OUTLINE DRAWING:

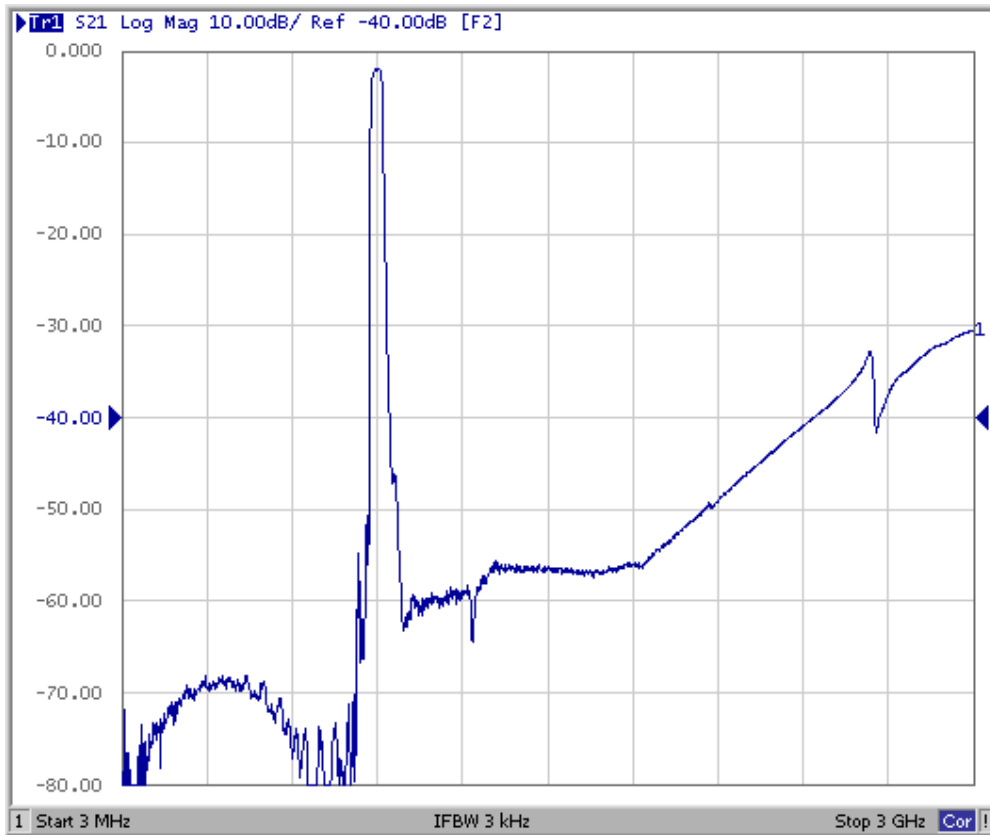
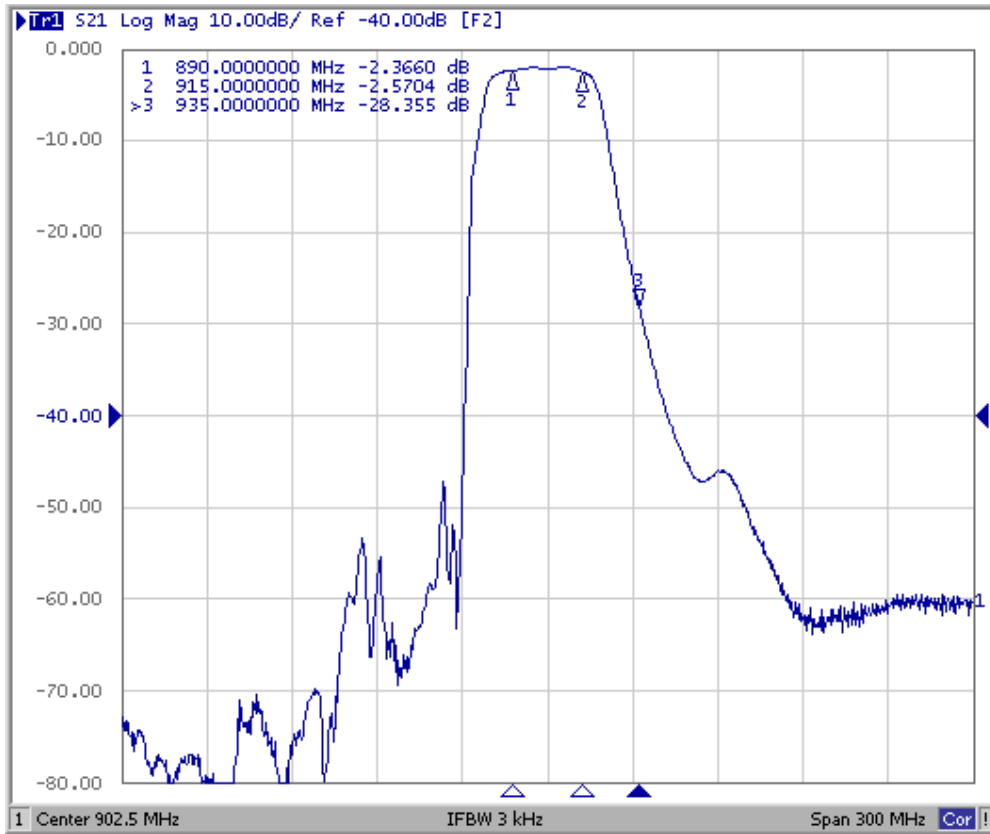


- Δ : Year Code (2006->6, ..., 2009->9)
- \square : Date Code (W01->A, W02->B, ..., W27->a, ..., W52->z)

PCB Footprint:

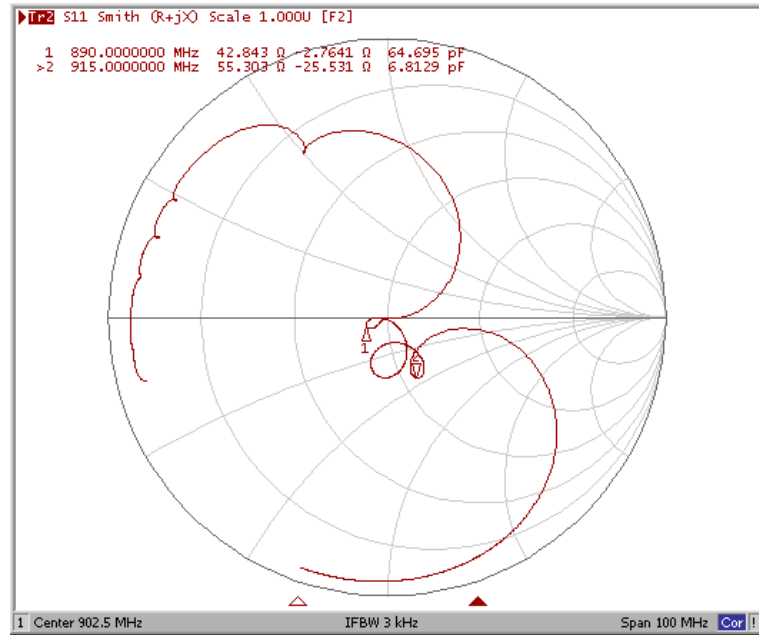
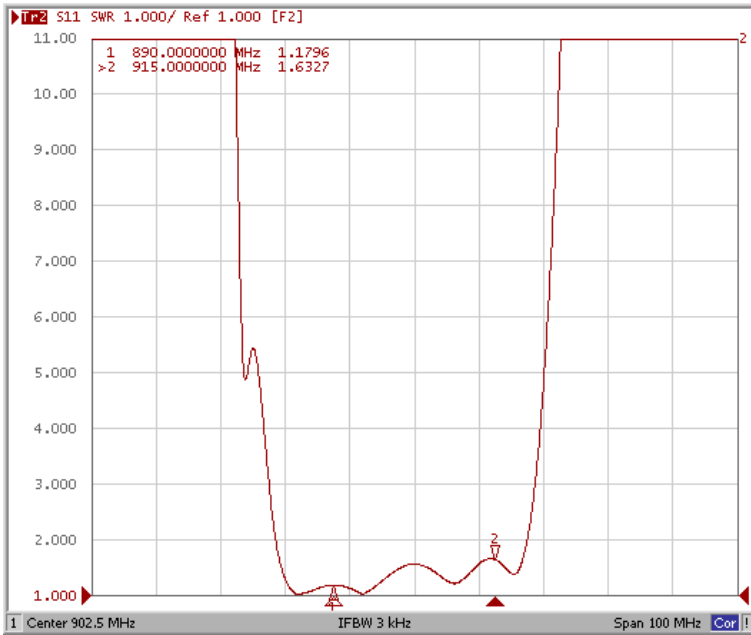


Frequency Characteristics :

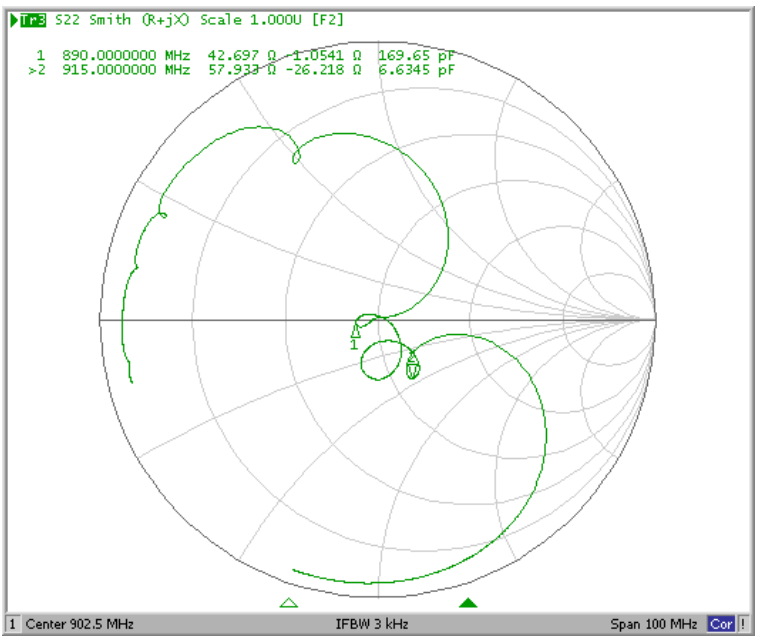
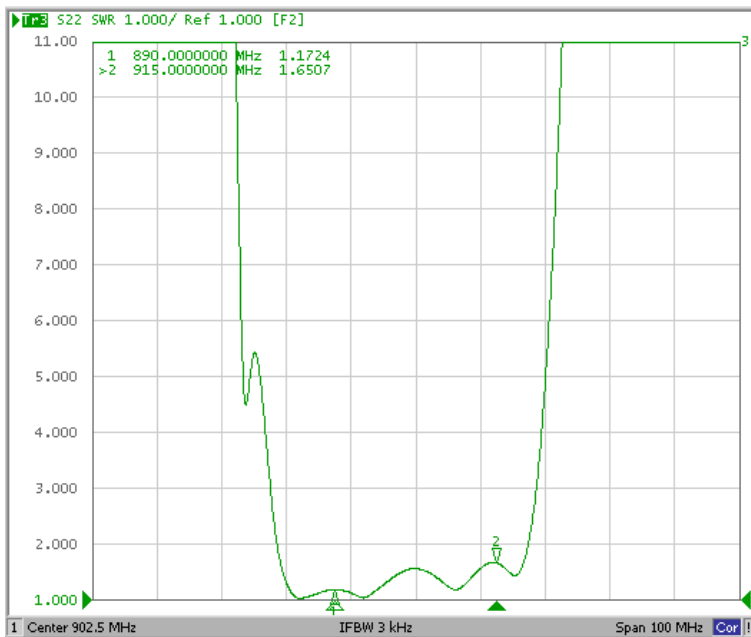


Reflection Functions :

S11



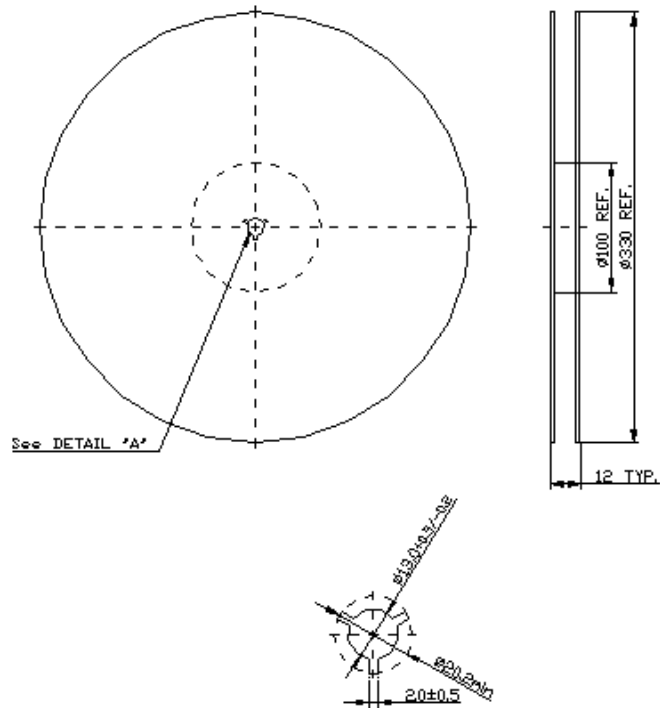
S22



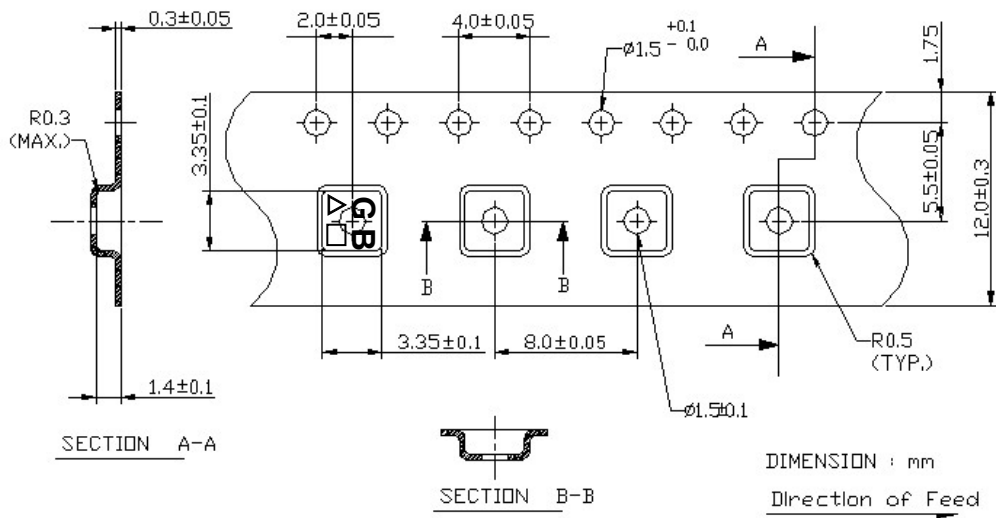
PACKING:

1. REEL DIMENSION

(Reel Count : 7"=500 ; 13"=3000)



2. TAPE DIMENSION



Recommended Reflow Profile

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (10 seconds).
4. Time: 5 times maximum.

